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Substitute for form 1499-110

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/560,075
Filing Date	December 9, 2005
First Named Inventor	ZHENG, Gang
Art Unit	1623
Examiner Name	BLAND, Layla D.
Attorney Docket Number	1694.0580004/JMC/CMB

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ² Number ³ Kind Code ³ (if known)				
	FP1	WO 92/11012 A1	07/09/1992	Schering Aktiengesellschaft Berlin und Bergkamen		Abs
	FP2	WO 01/82926 A1	11/08/2001	Lampidis <i>et al.</i>		
	FP3	WO 03/099285 A1	12/04/2003	The Hospital for Sick Children; Pace-Asciak		
	FP4	WO 2004/062614 A2	07/29/2004	New River Pharmaceuticals Inc.; Mickle <i>et al.</i>		

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		Attorney Docket Number	1694.0580004/JMC/CMB
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	NPL1	ABRAHA, A., <i>et al.</i> , "Inhibition of Tumor Cell Proliferation by Dexamethasone: ³¹ P NMR Studies of RIF-1 Fibrosarcoma cells Perfused <i>in vitro</i> ," <i>NMR in Biomedicine</i> 9:173-178, Wiley-Liss, Inc. (1996)	
	NPL2	ACHILEFU, S., <i>et al.</i> , "Novel Receptor-Targeted Fluorescent Contrast Agents for In Vivo Tumor Imaging," <i>Invest. Radiol.</i> 35:479-485, Lippincott Williams & Wilkins, Inc. (2000)	
	NPL3	ACHILEFU, S., <i>et al.</i> , "Synthesis, In Vitro Receptor Binding, and In Vivo Evaluation of Fluorescein and Carbocyanine Peptide-Based Optical Contrast Agents," <i>J. Med. Chem.</i> 45:2003-2015, American Chemical Society (May 2002)	
	NPL4	AIKEN, N.R., <i>et al.</i> , " ³¹ P NMR Spectroscopic Studies of the Effects of Cyclophosphamide on Perfused RIF-1 Tumor Cells," <i>Magn. Reson. Med.</i> 31:241-247, Williams & Wilkins (1994)	
	NPL5	ALAVI, A., and Reivich, M., "Guest Editorial: The Conception of FDG-PET Imaging," <i>Semin. Nucl. Med.</i> 32:2-5, W.B. Saunders Company (January 2002)	
	NPL6	BAIDOO, K. E., Mathews, W., and Wagner, H. N., Fluorescent imaging of deoxyglucose. 8th Intl. Conf: Peace through Mind/Brain Science Hamamatsu, Japan, February 2-4, 2000	
	NPL7	BECKER, A., <i>et al.</i> , "Receptor-targeted optical imaging of tumors with near-infrared fluorescent ligands," <i>Nature Biotechnol.</i> 19:327-331, Nature America, Inc. (2001)	
	NPL8	BENARON, D.A., <i>et al.</i> , "Enabling Molecular Imaging in the Operating Room: the Palomar TM Real-Time Room-Light Molecular Imaging System," <i>Molecular Imaging</i> 2:S194, MIT Press (July 2003)	
	NPL9	BERKOWITZ, B.A. and Ackerman, J.J.H., "Proton Decoupled Fluorine Nuclear Magnetic Resonance Spectroscopy In Situ," <i>Biophys. J.</i> 51:681-685, Biophysical Society (1987)	
	NPL10	BHUJWALLA, Z.M., <i>et al.</i> , "Energy Metabolism, pH Changes, and Lactate Production in RIF-1 Tumors Following Intratumoral Injection of Glucose," <i>Int. J. Radiat. Oncol. Biol. Phys.</i> 22:95-101, Pergamon Press (1991)	

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	NPL11	BHUIWALLA, Z.M., <i>et al.</i> , "Glucose Metabolism in RIF-1 Tumors after Reduction in Blood Flow: An <i>In Vivo</i> ¹³ C and ³¹ P NMR Study," <i>Magn. Reson. Med.</i> 32:303-309, Williams & Wilkins (1994)		
	NPL12	BINDER C. <i>et al.</i> , "Deregulated Simultaneous Expression of Multiple Glucose Transporter Isoforms in Malignant Cells and Tissues," <i>Anticancer Res.</i> 17:4299-4304, J.G. Delinassios (1997)		
	NPL13	BLOKLAND, J.A., <i>et al.</i> , "Positron emission tomography: a technical introduction for clinicians," <i>Eur. J. Radiol.</i> 44:70-75, Elsevier Science Ireland Ltd. (October 2002)		
	NPL14	BRAUNSCHWEIGER, P.G., <i>et al.</i> , "Potentiation of Interleukin 1 α Mediated Antitumor Effects by Ketoconazole," <i>Cancer Res.</i> 50:4709-4717, American Association for Cancer Research (1990)		
	NPL15	BRIASOULIS, E., <i>et al.</i> , "Phase I Trial of 6-Hour Infusion of Glufosfamide, a New Alkylating Agent With Potentially Enhanced Selectivity for Tumors That Overexpress Transmembrane Glucose Transporters: A Study of the European Organization for Research and Treatment of Cancer Early Clinical Studies Group," <i>J. Clin. Oncol.</i> 18:3535-3544, American Society of Clinical Oncology (2000)		
	NPL16	BUGAJ, J.E., <i>et al.</i> , "Novel fluorescent contrast agents for optical imaging of <i>in vivo</i> tumors based on a receptor-targeted dye-peptide conjugate platform," <i>J. Biomed. Opt.</i> 6:122-133, SPIE (2001)		
	NPL17	CHANCE, B., <i>et al.</i> , "Oxidation-Reduction Ratio Studies of Mitochondria in Freeze-trapped Samples," <i>J. Biol. Chem.</i> 254:4764-4771, American Society for Biochemistry and Molecular Biology (1979)		
	NPL18	CHANCE, B., <i>et al.</i> , "Highly sensitive object location in tissue models with linear in-phase and anti-phase multi-element optical arrays in one and two dimensions," <i>Proc. Natl. Acad. Sci. USA</i> 90:3423-3427, National Academy of Sciences (1993)		
	NPL19	CHANCE, B., <i>et al.</i> , "Precision localization of hidden absorbers in body tissues with phased-array optical systems," <i>Rev. Sci. Instrum.</i> 67:4324-4332, American Institute Of Physics (1996)		
	NPL20	CHANG, C.H.F., <i>et al.</i> , "The Interactions of Gallium with Various Buffers and Chelating Agents in Aqueous Solution: Gallium-71 and Hydrogen-1 NMR Studies," <i>Bioinorg. Chem.</i> 8:11-19, Elsevier North-Holland, Inc. (1978)		

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NON PATENT LITERATURE DOCUMENTS			
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	NPL21	CHEN, Y., et al., "Bacteriopurpurinimides: Highly Stable and Potent Photosensitizers for Photodynamic Therapy," <i>J. Med. Chem.</i> 45:255-258, American Chemical Society (January 2002)	
	NPL22	CHEN, Y., et al., "Near-infrared phase cancellation instrument for fast and accurate localization of fluorescent heterogeneity," <i>Rev. Sci. Instrum.</i> 74:3466-3473, American Institute of Physics (July 2003)	
	NPL23	CHEN, Y., et al., "Metabolism-enhanced tumor localization by fluorescence imaging: <i>in vivo</i> animal studies," <i>Optics Lett.</i> 28:2070-2072, Optical Society of America (November 2003)	
	NPL24	COHADE, C., and Wahl, R.L., "PET Scanning and Measuring the Impact of Treatment," <i>Cancer J.</i> 8:119-134, Jones and Bartlett Publishers, Inc. (March/April 2002)	
	NPL25	COLVIN, M. and Hilton, J., "Pharmacology of Cyclophosphamid and Metabolites," <i>Cancer Treat. Rep.</i> 65:89-95, U.S. National Cancer Institute (1981)	
	NPL26	COLVIN, M., "The Comparative Pharmacology of Cyclophosphamide and Ifosfamide," <i>Semin. Oncol.</i> 9:2-7, Grune & Stratton, Inc. (1981)	
	NPL27	COLVIN, O.M., "An Overview of Cyclophosphamide Development and Clinical Applications," <i>Curr. Pharm. Design</i> 5:555-560, Bentham Science Publishers B.V. (1999)	
	NPL28	COLVIN, O.M., et al., "Role of Glutathione in Cellular Resistance to Alkylating Agents," <i>Adv. Enzyme Regul.</i> 33:19-26, Pergamon Press Ltd. (1993)	
	NPL29	CZERNIN, J., "Clinical Applications of FDG-PET in Oncology," <i>Acta Medica Austriaca</i> 29:162-170, Blackwell Publishing Ltd. (November 2002)	
	NPL30	CZEMIN, J. and Phelps, M.E., "Positron Emission Tomography Scanning: Current and Future Applications," <i>Ann. Rev. Med.</i> 53:89-112, Annual Reviews (February 2002)	

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	NPL31	DEUEL, R.K., et al., "Monitoring the Time Course of Cerebral Deoxyglucose Metabolism by ³¹ P Nuclear Magnetic Resonance Spectroscopy," <i>Science</i> 228:1329-1331, American Association for the Advancement of Science (1985)	
	NPL32	DOUGHERTY, T.J., et al., "Photodynamic Therapy," <i>J. Natl. Cancer Inst.</i> 90:889-905, Oxford University Press (1998)	
	NPL33	DUVVURI, U., et al., "Quantitative T ₁ ρ magnetic Resonance Imaging of RIF-1 Tumors in Vivo: Detection of Early Response to Cyclophosphamide Therapy," <i>Cancer Res.</i> 61:7747-7753, American Association for Cancer Research (2001)	
	NPL34	FIEDOR, J., et al., "Photodynamics of the Bacteriochlorophyll-Carotenoid System. 2. Influence of Central Metal, Solvent and β-Carotene on Photobleaching of Bacteriochlorophyll Derivatives," <i>Photochem. Photobiol.</i> 76:145-152, American Society for Photobiology (August 2002)	
	NPL35	FISHKIN, J.B., and Gratton, E., "Propagation of photon-density waves in strongly scattering media containing an absorbing semi-infinite plane bounded by a straight edge," <i>J. Opt. Soc. Am.</i> 10:127-140, Optical Society of America (1993)	
	NPL36	FLANAGAN, Jr., J.H., et al., "Functionalized Tricarboyanine Dyes as Near-Infrared Fluorescent Probes for Biomolecules," <i>Bioconj. Chem.</i> 8:751-756, American Chemical Society (1997)	
	NPL37	FLIER, J.S., et al., "Elevated Levels of Glucose Transport and Transporter Messenger RNA are Induced by <i>ras</i> or <i>src</i> Oncogenes," <i>Science</i> 235:1492-1495, American Association for the Advancement of Science (1987)	
	NPL38	FOLLI, S., et al., "Antibody-Indocyanin Conjugates for Immunophotodetection of Human Squamous Cell Carcinoma in Nude Mice," <i>Cancer Res.</i> 54:2643-2649, American Association for Cancer Research (1994)	
	NPL39	FRIEDMAN, H.S., et al., "Glutathione Protects Cardiac and Skeletal Muscle from Cyclophosphamide-induced Toxicity," <i>Cancer Res.</i> 50:2455-2462, American Association for Cancer Research (1990)	
	NPL40	FRIEDMAN, H.S., et al., "O ⁶ -Benzylguanine-mediated Enhancement of Chemotherapy," <i>Mol. Cancer Ther.</i> 1:943-948, American Association for Cancer Research, Inc. (September 2002)	

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	NPL41	FUNG, L.K., <i>et al.</i> , "Pharmacokinetics of Interstitial Delivery of Carmustine, 4-Hydroperoxycyclophosphamide, and Paclitaxel from a Biodegradable Polymer Implant in the Monkey Brain," <i>Cancer Res.</i> 58:672-684, American Association for Cancer Research (1998)	
	NPL42	GAMBHIR, S.S., "Molecular Imaging of Cancer with Positron Emission Tomography," <i>Nature Rev. Cancer</i> 2:683-693, Nature Publishing Group (September 2002)	
	NPL43	GAMS, R.A., <i>et al.</i> , "Serum Inhibition of <i>in Vitro</i> ⁶⁷ Ga Binding by L1210 Leukemic Cells," <i>Cancer Res.</i> 35:1422-1426, American Association for Cancer Research (1975)	
	NPL44	GAMS, R.A., <i>et al.</i> , "Effect of Growth Rate and Simian Adenovirus-7 Transformation on <i>in vitro</i> ⁶⁷ Ga Binding to Hamster Embryo Cells," <i>J. Nucl. Med.</i> 16:231-233, Society of Nuclear Medicine (1975)	
	NPL45	GIORGETTI, A., <i>et al.</i> , "Clinical oncological Applications of Positron Emission Tomography (PET) using Fluorine-18-Fluoro-2-deoxy-D-glucose," <i>Radiol. Med.</i> 103:293-318, Springer Milan (April 2002)	
	NPL46	GLICKSON, J.D., <i>et al.</i> , "In Vitro Binding of ⁶⁷ Ga to L1210 cells," <i>Cancer Res.</i> 33:2706-2713, American Association for Cancer Research (1973)	
	NPL47	GU, Y.Q., <i>et al.</i> , "High-resolution three-dimensional scanning optical image system for intrinsic and extrinsic contrast agents in tissue," <i>Rev. Sci. Instrum.</i> 73:172-178, American Institute of Physics (January 2002)	
	NPL48	GURFINKEL, M., <i>et al.</i> , "Pharmacokinetics of ICG and HPPH-car for the Detection of Normal and Tumor Tissue using Fluorescence, Near-infrared Reflectance Imaging: A Case Study," <i>Photochem. Photobiol.</i> 72:94-102, American Society for Photobiology (2000)	
	NPL49	HAMBURGER, A.W., and Salmon, S.E., "Primary Bioassay of Human Tumor Stem Cells," <i>Science</i> 197:461-463, American Association for the Advancement of Science (1977)	
	NPL50	HARRIS, D.S., <i>et al.</i> , "Polarized distribution of glucose transporter isoforms in Caco-2 cells," <i>Proc. Natl. Acad. Sci. USA</i> 89:7556-7560, National Academy of Sciences (1992)	

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	NPL51	HARTWICH, G., <i>et al.</i> , "Metal-Substituted Bacteriochlorophylls. 1. Preparation and Influence of Metal and Coordination on Spectra," <i>J. Am. Chem. Soc.</i> 120:3675-3683, American Chemical Society (1998)	
	NPL52	Helliwell, P.A., and Kellett, G.L., "The active and passive components of glucose absorption in rat jejunum under low and high perfusion stress," <i>J. Physiol.</i> 544:579-589, The Physiological Society (October 2002)	
	NPL53	HENDERSON, B.W., <i>et al.</i> , "An <i>in Vivo</i> Quantitative Structure-Activity Relationship for a Congeneric Series of Pyrophosphoride Derivatives as Photosensitizers for Photodynamic Therapy," <i>Cancer Res.</i> 57:4000-4007, American Association for Cancer Research (1997)	
	NPL54	HUSTINX, R., <i>et al.</i> , Whole-Body FDG-PET Imaging in the Management of Patients With Cancer," <i>Semin. Nucl. Med.</i> 32:35-46, W.B. Saunders Company (January 2002)	
	NPL55	INOUE, T., <i>et al.</i> , "A shifting landscape: What will be next FDG in PET oncology?" <i>Ann. Nucl. Med.</i> 16:1-9, Japanese Society of Nuclear Medicine (February 2002)	
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				Filing Date	December 9, 2005
				First Named Inventor	ZHENG, Gang
				Art Unit	1623
				Examiner Name	BLAND, Layla D.
Sheet	7	of	13	Attorney Docket Number	1694.0580004/JMC/CMB

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL61	KAIZER, H., <i>et al.</i> , "Autologous Bone Marrow Transplantation in Acute Leukemia and Non-Hodgkin's Lymphoma: A Phase I Study of 4-Hydroperoxycyclophosphamide (4HC) Incubation of Marrow Prior to Cryopreservation," <i>Haematol. Blood Transfus.</i> 28:90-101, Springer-Verlag (1983)	
	NPL62	KAPLAN, O., <i>et al.</i> , "Effects of 2-Deoxyglucose on Drug-sensitive and Drug-Resistant Human Breast Cancer Cells: Toxicity and Magnetic Resonance Spectroscopy Studies of Metabolism," <i>Cancer Res.</i> 3:544-551, American Association for Cancer Research (1990)	
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	NPL70	LICHA, K., "Contrast Agents for Optical Imaging," <i>Top. Curr. Chem.</i> 222:1-29, Springer-Verlag (September 2002)	

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		Examiner Name	BLAND, Layla D.
		Attorney Docket Number	1694.0580004/JMC/CMB
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NON PATENT LITERATURE DOCUMENTS			
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	NPL71	LIU, H., et al., "Hypersensitization of Tumor Cells to Glycolytic Inhibitors," <i>Biochemistry</i> 40:5542-5547, American Chemical Society (2001)	
	NPL72	LIU, H., et al., "Hypoxia increases tumor cell sensitivity to glycolytic inhibitors: a strategy for solid tumor therapy (Model C)," <i>Biochem. Pharmacol.</i> 64:1746-1751, Elsevier Science Inc. (December 2002)	
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	NPL81	MUJUMDAR, S.R., et al., "Cyanine-Labeling Reagents: Sulfobenzindocyanine Succinimidyl Esters," <i>Bioconjugate Chem.</i> 7:356-362, American Chemical Society (1996)	
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	NPL90	RAMANUJAM, N., et al., "Low temperature fluorescence imaging of freeze-trapped human cervical tissues," <i>Opt. Express</i> 8:335-343, Optical Society of America (2001)	

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	NPL91	ROMÁN, Y., <i>et al.</i> , "Confocal microscopy study of the different patterns of 2-NBDG uptake in rabbit enterocytes in the apical and basal zone," <i>Pflügers Arch.-Eur. J. Physiol.</i> 443:234-239, Springer-Verlag (2001)	
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	NPL107	WARBURG, Otto (Ed.), "The Metabolism of Tumours," Constable & Co., Ltd., London (1930)	
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	NPL118	YOSHIOKA, K., <i>et al.</i> , "A novel fluorescent derivative of glucose applicable to the assessment of glucose uptake activity of <i>Escherichia coli</i> ," <i>Biochim. Biophys. Acta</i> 1289:5-9, Elsevier Science B.V. (1996)		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/560,075
				Filing Date	December 9, 2005
				First Named Inventor	ZHENG, Gang
				Art Unit	1623
				Examiner Name	BLAND, Layla D.
Sheet	13	of	13	Attorney Docket Number	1694.0580004/JMC/CMB

NON PATENT LITERATURE DOCUMENTS

Examiner Initial s*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL121	ZHANG, Z., <i>et al.</i> , "Metabolic Imaging of Tumors using Intrinsic and Extrinsic Fluorescent Markers," <i>Biosensors Bioelectronics</i> , 20: 643-50 (2004)	
	NPL122	ZHENG, G., <i>et al.</i> , "Synthesis, Photophysical Properties, Tumor Uptake, and Preliminary in Vivo Photosensitizing Efficacy of a Homologous Series of 3-(1'-Alkyloxy) Ethyl-3-devinaylporpurin-18-N-alkylimides with Variable Lipophilicity," <i>J. Med. Chem.</i> 44:1540-1559, American Chemical Society (2001)	
	NPL123	ZHENG, G., <i>et al.</i> , "Contrast-enhanced near-infrared (NIR) Optical Imaging for Subsurface Cancer Detection," <i>J. Porphyrins Phthalocyanines</i> , 8:1106-17 (2004)	
	NPL124	ZHENG, G., <i>et al.</i> , "Tricarbocyanine Cholesteryl Laurates Labeled LDL: New Near Infrared Fluorescent Probes (NIRFs) for Monitoring Tumors and Gene Therapy of Familial Hypercholesterolemia," <i>Bioorg. Med. Chem. Lett.</i> 12:1485-1488, Elsevier Science Ltd. (June 2002)	
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	NPL129	ZON, G., <i>et al.</i> , "NMR Spectroscopic Studies of Intermediary Metabolites of Cyclophosphamide. A Comprehensive Kinetic Analysis of the Interconversion of <i>cis</i> - and <i>trans</i> -4-Hydroxycyclophosphamide with Aldophosphamide and the Concomitant Partitioning of Aldophosphamide Between Irreversible Fragmentation and Reversible Conjugation Pathways," <i>J. Med. Chem.</i> 27:466-485, American Chemical Society (1984)	

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